

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S1    | 1    | junction catheter tip electrode   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2008/12/10<br>16:14 |
| S2    | 1927 | (606/1).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2008/12/10<br>16:46 |
| S3    | 17   | ("20030028185"  <br>"4664120"   "4896671"  <br>"5098431"   "5230349"  <br>"5716389"   "6408199"  <br>"6514246"   "6569162").<br>PN. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2008/12/10<br>16:47 |
| S4    | 19   | ((("6514246") or<br>("4896671") or<br>("2003028185") or<br>("6408199") or<br>("1169975")).PN.                                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2008/12/10<br>16:49 |
| S5    | 3547 | (606/41).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2008/12/11<br>10:54 |
| S6    | 2    | catheter electrode insulation   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | NEAR             | ON      | 2008/12/11<br>11:14 |
| S7    | 139  | catheter electrode insulation   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | WITH             | ON      | 2008/12/11<br>11:15 |
| S8    | 3377 | catheter electrode insulation   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2008/12/11<br>11:15 |

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| S9  | 3547  | (606/41).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2008/12/11<br>11:15 |
| S10 | 768   | S9 and S8  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2008/12/11<br>11:15 |
| S11 | 11312 | atrial near fibrillation                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2008/12/11<br>11:17 |
| S12 | 567   | S8 and S11   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2008/12/11<br>11:17 |
| S13 | 962   | S9 and S11   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2008/12/11<br>11:17 |
| S14 | 207   | S12 and S13  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2008/12/11<br>11:18 |
| S15 | 2     | ("20070083191").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2008/12/16<br>10:31 |
| S16 | 2     | ("5257635").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2008/12/16<br>10:39 |
| S17 | 23    | ("4352360"   "4896671").<br>PN. OR ("5257635").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | OR  | ON  | 2008/12/16<br>10:40 |
| S19 | 6773  | ((606/41-42,45-50) or<br>(604/114) or (600/374)).<br>CCLS. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2008/12/16<br>10:52 |

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| S20 | 5819 | (606/41-42,45-50).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/12/16<br>10:52 |
| S21 | 1365 | ((604/114) or (600/374)).<br>CCLS.                               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/12/16<br>10:52 |
| S22 | 3852 | (606/41-42).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/12/16<br>10:52 |
| S23 | 3548 | (606/41).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/12/16<br>10:53 |
| S24 | 436  | (606/42).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/12/16<br>10:53 |
| S25 | 3071 | (606/45-50).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/12/16<br>10:53 |
| S26 | 3426 | S19 and catheter   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2008/12/16<br>10:53 |
| S27 | 7648 | ((606/32-34,41-42,45-<br>50) or (604/114) or<br>(600/374)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/12/16<br>10:54 |
| S28 | 6298 | S27 and electrode  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2008/12/16<br>10:55 |
| S29 | 3428 | S28 and catheter   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2008/12/16<br>10:55 |

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| S30 | 4363 | ((606/32-34,41-42,45-50) or (604/114) or (600/374)).OCLS.  | USPAT   | OR | OFF | 2008/12/16<br>11:06 |
| S31 | 3568 | S30 and electrode  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2008/12/16<br>11:06 |
| S32 | 1977 | S31 and catheter   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2008/12/16<br>11:06 |
| S33 | 1619 | S30 and ablation same electrode  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2008/12/16<br>11:09 |
| S35 | 1268 | S30 and (ablation or ablate or ablating) same electrode  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2008/12/16<br>11:11 |
| S36 | 1713 | S30 and ((ablation or ablate or ablating) same electrode)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2008/12/16<br>11:11 |
| S37 | 1424 | S36 and catheter   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2008/12/16<br>11:11 |
| S38 | 151  | ("1932258"   "3757789"   "4248237"   "4289138"   "4357947"   "4419819"   "4432377"   "4437474"   "4552157"   "4553534"   "4614192"   "4641649"   "4660571"   "4679572").PN. OR ("4896671").URPN. | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2008/12/16<br>13:24 |
| S41 | 2    | ("20030028185").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/12/16<br>16:59 |
| S42 | 34   | catheter same ((exchange\$5 interchange\$5 alternate\$5) same electrode same tip) same insulation  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT          | OR | ON  | 2009/06/18<br>10:12 |

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| S43 | 15374 | electrode same catheter  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>10:16 |
| S44 | 9949  | (606/20-52).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2009/06/18<br>10:16 |
| S45 | 3006  | S43 and S44  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>10:16 |
| S46 | 2682  | electrode same catheter<br>same insulat\$5   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>10:16 |
| S47 | 952   | S44 and S46  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>10:16 |
| S48 | 2     | ("5624393").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2009/06/18<br>11:06 |
| S49 | 1     | 10/551289  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>11:18 |
| S50 | 558   | (junction or channel)<br>same electrode same tip<br>same catheter                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>11:21 |
| S51 | 0     | (junction or channel)<br>same electrode same tip<br>same catheter same<br>insulat\$% | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>11:21 |
| S52 | 58    | (junction or channel)<br>same electrode same tip<br>same catheter same<br>insulat\$5 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>11:21 |
| S53 | 828   | (junction or channel)<br>same electrode same tip<br>and catheter and insulat<br>\$5  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>11:27 |
| S54 | 435   | S44 and S53  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>11:27 |

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| S55 | 6    | ((("5409032") or ("6146353") or ("7122035"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2009/06/18<br>12:06 |
| S56 | 6    | ((("5409035") or ("6146353") or ("7122035"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2009/06/18<br>12:07 |
| S57 | 5131 | electrode same tip same catheter                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>12:49 |
| S58 | 828  | electrode same tip same catheter same Insulat\$5  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>12:49 |
| S59 | 828  | electrode same tip same catheter same insulat\$5  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>12:50 |
| S60 | 4    | ((("5122137") or ("5462521"))).PN.                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2009/06/18<br>13:17 |
| S61 | 194  | ahsan.in.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>15:19 |
| S62 | 0    | S61 and catheter                                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>15:19 |
| S63 | 8416 | cunningham.in.                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>15:20 |
| S64 | 94   | S63 and catheter                                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>15:20 |
| S65 | 4    | catheter near ablation near2 fulguration          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/06/18<br>15:23 |

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| S66 | 24   | (US-20030028185-\$).did.<br>or (US-6514246-\$ or US-<br>6217573-\$ or US-<br>6217574-\$ or US-<br>6511478-\$ or US-<br>6522930-\$ or US-<br>6547788-\$ or US-<br>6955173-\$ or US-<br>5257635-\$ or US-<br>4832048-\$ or US-<br>4896671-\$ or US-<br>4966597-\$ or US-<br>5230349-\$ or US-<br>5348554-\$ or US-<br>6096035-\$ or US-<br>6078830-\$ or US-<br>6056745-\$ or US-<br>6053912-\$ or US-<br>6048329-\$ or US-<br>6030382-\$ or US-<br>5906614-\$ or US-<br>5895355-\$ or US-<br>6939350-\$ or US-<br>5122137-\$).did. | US-PGPUB;<br>USPAT                                 | OR | ON  | 2009/06/19<br>11:18 |
| S67 | 4535 | ((606/32-34,41-42,45-<br>50) or (604/114) or<br>(600/374)).CCLS.  | USPAT  | OR | OFF | 2009/11/17<br>13:10 |
| S68 | 2468 | S67 and electrode and<br>insulati\$4  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/17<br>13:10 |
| S69 | 7796 | ((606/32-34,41-42,45-<br>50) or (604/114) or<br>(600/374)).CCLS.  | US-PGPUB;<br>USPAT                                 | OR | OFF | 2009/11/17<br>13:11 |
| S70 | 2222 | S69 and catheter and<br>electrode and insulati\$4   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/17<br>13:11 |
| S71 | 1774 | S70 and ablation  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/17<br>13:15 |
| S72 | 1423 | S70 and ablation and<br>blood   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/17<br>13:15 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
|       |      |              |     |                  |         |            |

|    |   |   |                          |      |    |                  |
|----|---|---|--------------------------|------|----|------------------|
| L1 | 3 | (catheter insulati\$4<br>ablation electrode<br>junction).clm.                   | US-PGPUB;<br>USPAT; UPAD | AND  | ON | 2009/11/19 11:02 |
| L2 | 2 | (catheter insulati\$4<br>ablation electrode<br>junction diameter).<br>clm.      | US-PGPUB;<br>USPAT; UPAD | AND  | ON | 2009/11/19 11:05 |
| L3 | 2 | (catheter insulati\$4<br>ablation electrode<br>junction diameter<br>blood).clm. | US-PGPUB;<br>USPAT; UPAD | AND  | ON | 2009/11/19 11:07 |
| L4 | 0 | (catheter insulati\$4<br>ablation electrode<br>junction diameter<br>blood).clm. | US-PGPUB;<br>USPAT; UPAD | SAME | ON | 2009/11/19 11:07 |
| L5 | 1 | (catheter insulati\$4<br>ablation electrode<br>junction diameter).<br>clm.      | US-PGPUB;<br>USPAT; UPAD | SAME | ON | 2009/11/19 11:07 |

11/ 19/ 2009 11:10:42 AM

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